TRENDnet®

PoE • Switches • IP Cameras • Fiber

# 2014 SMB Solutions

# POE UNMANAGED SWITCHES

| | Gigabit PoE+ | | | 10/100 PoE+ | | | | |
|---|---|---|---|---|---|---|---|---|
| | TPE-TG81g | TPE-TG80g | TPE-TG44g | TPE-T160 | TPE-T160H | TPE-T88g | TPE-T80 | TPE-T80H |
| Ports | 8 x PoE+ Gigabit | 8 x PoE+ Gigabit | 4 x PoE+ Gigabit<br>4 x Gigabit | 16 x PoE+ 10/100 Mbps | 16 x PoE+ 10/100 Mbps | 8 x PoE+ 10/100 Mbps<br>8 x 10/100 Mbps | 8 x PoE+ 10/100 Mbps | 8 x PoE+ 10/100 Mbps |
| PoE budget | 105 Watts | 105 Watts | 60 Watts | 480 Watts | 250 Watts | 120 Watts | 240 Watts | 125 Watts |
| Max. power per port | 30 Watts | 30 Watts | 30 Watts | 30 Watts | 30 Watts | 30 Watts | 30 Watts | 30 Watts |
| Switch fabric | 16 Gbps | 16 Gbps | 16 Gbps | 3.2 Gbps | 3.2 Gbps | 3.2 Gbps | 1.6 Gbps | 1.6 Gbps |
| RAM buffer | 96 KBytes | 96 KBytes | 96 KBytes | 156 KBytes | 156 KBytes | 156 KBytes | 156 KBytes | 156 KBytes |
| MAC address table | 2K | 1K | 1K | 4K | 4K | 4K | 4K | 4K |
| Rack mountable | ✓ | - | - | ✓ | ✓ | ✓ | ✓ | ✓ |
| Power adapter | Internal | External | External | Internal | Internal | Internal | Internal | Internal |
| Limited warranty | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year |

| | 10/100 PoE | | |
|---|---|---|---|
| | TPE-S160 | TPE-S80 | TPE-S44 |
| Ports | 16 x PoE 10/100 Mbps | 8 x PoE 10/100 Mbps | 4 x PoE 10/100 Mbps<br>4 x 10/100 Mbps |
| PoE budget | 250 Watts | 124 Watts | 30 Watts |
| Max. power per port | 15.4 Watts | 15.4 Watts | 15.4 Watts |
| Switch fabric | 3.2 Gbps | 1.6 Gbps | 1.6 Gbps |
| RAM buffer | 187 KBytes | 64 KBytes | 98 KBytes |
| MAC address table | 4K | 1K | 1K |
| Rack mountable | ✓ | ✓ | - |
| Power adapter | Internal | Internal | External |
| Limited warranty | 3 year | 3 year | 3 year |

# POE WEB SMART SWITCHES

| | Gigabit PoE+ | | 10/100 PoE |
|---|---|---|---|
| | TPE-1620WS | TPE-1020WS | TPE-224WS |
| Ports | 16 x PoE+ Gigabit, 2 x SFP | 8 x PoE+ Gigabit, 2 x Gigabit, 2 x SFP | 24 x PoE 10/100 Mbps, 4 x Gigabit, 2 x SFP |
| PoE budget | 185 Watts | 75 Watts | 170 Watts |
| Max. power per port | 30 Watts | 30 Watts | 15.4 Watts |
| Switch capacity | 32 Gbps | 20 Gbps | 12.8 Gbps |
| RAM buffer | 1 MByte | 1 MByte | 125 KBytes |
| Forwarding rate | 23.8 Mpps | 14.88 Mpps | 9.5 Mpps |
| MAC address table | 16K | 16K | 8K |
| Port based VLAN | ✓ | ✓ | ✓ |
| 802.1X | ✓ | ✓ | ✓ |
| 802.1Q VLAN | ✓ | ✓ | ✓ |
| 802.1p (Class of service) | ✓ | ✓ | ✓ |
| Spanning tree protocol | STP, RSTP, MSTP | STP, RSTP, MSTP | STP |
| Multi cast (IGMP) | v1, v2, v3 | v1, v2, v3 | v1, v2 |
| SNMP | v1, v2, v3 | v1, v2, v3 | v1 |
| Port based link aggregation | ✓ | ✓ | ✓ |
| Jumbo frame support | 10 Kbytes | 10 Kbytes | - |
| Port mirroring | ✓ | ✓ | ✓ |
| Rackmount | ✓ | ✓ | ✓ |
| Limited warranty | 3 year | 3 year | 3 year |

## Splitters

TPE-114GS
Gigabit PoE Splitter

TPE-104S
PoE Splitter

Run an Ethernet cable from a PoE switch (or injector) for distances up to 100 meters and then split the PoE signal into separate Gigabit data and power sources in order to network a non-PoE device.

## Injectors

TPE-115GI
Gigabit PoE+ Injector

TPE-105I
PoE+ Injector

Connect a splitter to a non-PoE Gigabit switch and then run an Ethernet cable for up to 100 meters (328 ft.) to network PoE+ or PoE devices. The integrated power supply reduces installation clutter.

# PoE ACCESS POINTS

| | Outdoor | | | Indoor | | | |
|---|---|---|---|---|---|---|---|
| | TEW-676APBO | TEW-715APO | TEW-455APBO | TEW-753DAP | TEW-735AP | TEW-653AP | TEW-638PAP |
| Special feature | Up to 7 km (4.3 mi.) | Up to 10 km (6 mi.) | Up to 4 km (2.4 mi.) | Smoke detector shape | High power radio | Smoke detector shape | Compact |
| Wi-Fi bands / Data rate | 5 GHz: 300 Mbps | 2.4 GHz: 150 Mbps | 2.4 GHz: 108 Mbps | 2.4 GHz: 300 Mbps<br>5.0 GHz: 300 Mbps | 2.4 GHz: 300 Mbps | 2.4 GHz: 300 Mbps | 2.4 GHz: 300 Mbps |
| Ports | 1 x PoE 10/100 Mbps | 1 x PoE 10/100 Mbps | 1 x PoE 10/100 Mbps | 1 x PoE 10/100 Mbps | 1 x PoE 10/100 Mbps | 1 x PoE 10/100 Mbps | 1 x PoE 10/100 Mbps |
| Antenna strength | 12 dBi | 8 dBi | 14 dBi | 2.4 GHz: 2 x 3 dBi<br>5 GHz: 2 x 4 dBi | 2 x 4 dBi | 2 x 4 dBi | 2 x 2 dBi |
| WPS | - | - | - | ✓ | ✓ | ✓ | ✓ |
| Wireless distribution system (WDS) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Repeater mode | ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ |
| AP client mode | ✓ | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| Additional SSIDs | 6 | 16 | 7 | 16 (8 per band) | 4 | 4 | 4 |
| Max encryption | WPA2 | WPA2 | WPA2 | WPA2 | WPA2 | WPA2 | WPA2 |
| Power consumption | 15 Watts max. | 12 Watts max. | 6 Watts max. | 12 Watts max. | 6 Watts max. | 6 Watts max. | 3.1 Watts max. |
| Mounting hardware | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - |
| Housing | IP66/67 | IP55 | IP66/67 | Off white | Plenum rated | Off white | Black |
| Limited warranty | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year |

# PoE OUTDOOR IP CAMERAS

| | Outdoor Fixed Dome | | Outdoor Bullet | | | | |
|---|---|---|---|---|---|---|---|
| | TV-IP311PI | TV-IP342PI | TV-IP310PI | TV-IP343PI | TV-IP322P | TV-IP331PI | TV-IP302PI |
| Special feature | Fixed dome with 3 MP resolution and 30 m night vision | Fixed dome with 2 MP resolution and 15 m night vision | 3 MP resolution with 30 m night vision | 2 MP resolution and 25 m night vision | 1.3 MP with narrow viewing angle for long distance monitoring | 1 MP resolution, 20 m night vision, and IP68 rated | 1 MP ultra compact bullet with 15 m night vision |
| Free app | Apple® / Android™ | | | | | | |
| Free software | Manage up to 32 TRENDnet cameras | | | | | | |
| Housing | IP66 | IP66 | IP66 | IP66 | IP66 | IP68 | IP66 |
| Compression | H.264, MJPEG | H.264, MPEG-4, MJPEG | H.264, MJPEG | H.264, MPEG-4, MJPEG | H.264, MPEG-4, MJPEG | H.264, MPEG-4, MJPEG | H.264, MPEG-4, MJPEG |
| Resolution / FPS | 2048 x 1538 @ 15 fps<br>1920 x 1080 @ 30 fps | 1920 x 1080 @ 30 fps | 2048 x 1538 @ 15 fps<br>1920 x 1080 @ 30 fps | 1920 x 1080 @ 30 fps | 1280 x 1024 @ 15 fps<br>640 x 480 @ 30fps | 1280 x 800 @ 30 fps | 1280 x 800 @ 30 fps |
| Image sensor | 1/3" CMOS sensor | 1/2.7" CMOS sensor | 1/3" CMOS sensor | 1/2.7" CMOS sensor | 1/3" CMOS sensor | 1/4" CMOS sensor | 1/4" CMOS sensor |
| Lens | 4 mm, F 1.2 | Vari-focus 3 - 9 mm @ F 1.8 | 4 mm, F 1.2 | Vari-focus 3.6 - 16 mm @ F 1.2 | 12 mm, F 1.8 | 4.2 mm, F 1.6 | 4.2 mm, F 1.6 |
| Viewing angle | 89° diagonal | 41 - 144° diagonal | 89° diagonal | 27 - 111° diagonal | 28.5° diagonal | 70° diagonal | 62.9° diagonal |
| Zoom | User defined zoom window | Manually zoom 3x to a final fixed position for installation flexibility | User defined zoom window | Manually zoom 4.4x to a final fixed position for installation flexibility | 3x digital | 4x digital | 4x digital |
| Audio support | - | 2 way audio (audio input + audio out port) | - | 2 way audio (audio input + audio out port) | 2 way audio (audio input + audio out port) | 1 way audio (mic. In port) | 2 way audio (audio input + audio out port) |
| Vision | Night vision up to 30 m (100 ft.) | Night vision up to 15 m (50 ft.) | Night vision up to 30 m (100 ft.) | Night vision up to 25 m (82 ft.) | Night vision up to 20 m (66 ft.) | Night vision up to 20 m (66 ft.) | Night vision up to 15 m (50 ft.) |
| Pan & tilt | Fixed position: manually Pan 356° and Tilt 65° | Fixed position: manually Pan 330° and Tilt 60° | - | - | - | - | - |
| Network | IPv4 / IPv6 | IPv4 / IPv6 | IPv4 / IPv6 | IPv4 / IPv6 | IPv4 | IPv4 / IPv6 | IPv4 / IPv6 |
| ONVIF | v2.2 | v2.2 | v2.2 | v2.2 | - | v2.2 | v2.2 |
| Power consumption | 5 Watts max. | 6.7 Watts max. | 5 Watts max. | 7.7 Watts max. | 9.5 Watts max. | 6.3 Watts max. | 6.2 Watts max. |
| MicroSD slot | - | ✓ | - | ✓ | - | ✓ | - |
| Operating temp. | -30 - 60 °C (-22 - 140 °F) | -20°C ~ 50°C (-4°F ~122°F) | -30 - 60 °C (-22 - 140 °F) | -20°C ~ 50°C (-4°F ~122°F) | -20 - 60°C (-4 - 140°F) | -20 - 50°C (-4 - 122°F) | -20 - 50°C (-4 - 122°F) |
| Hardware | Mounting base included | | | | | | |
| Limited warranty | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year |

# PoE INDOOR IP CAMERAS

| | PoE Fixed Dome | | | PoE PTZ | | | PoE Fixed | | |
|---|---|---|---|---|---|---|---|---|---|
| | TV-IP262PI | TV-IP272PI | TV-IP252P | TV-IP672PI | TV-IP662PI | TV-IP612P | TV-IP572PI | TV-IP522P | TV-IP512P |
| Special feature | 1.3 MP fixed dome and 12 m night vision | 1 MP fixed dome and 15 m night vision | Tinted fixed dome | 1 MP PTZ with privacy button | 1 MP PTZ | PTZ with auto focus, 10x optical zoom, and 16x digital zoom | 1 MP compact design | 1.2 MP with removable lens | Removable lens |
| Free app | Apple/Android | | | | | | | | |
| Free software | Manage up to 32 cameras | | | | | | | | |
| Compression | H.264, MPEG-4, MJPEG | H.264, MPEG-4, MJPEG | MPEG-4, MJPEG | H.264, MPEG-4, MJPEG | H.264, MPEG-4, MJPEG | H.264, MPEG-4, MJPEG | H.264, MPEG-4, MJPEG | H.264, MPEG-4, MJPEG | MPEG-4, MJPEG |
| Resolution / FPS | 1280 x 1024 @ 15 fps<br>640 x 480 @ 30 fps | 1280 x 720 @ 30 fps | 640 x 480 @ 30 fps | 1280 x 800 @ 30 fps | 1280 x 720 @ 30 fps | 704 x 480 @ 30 fps | 1280 x 800 @ 30 fps | 1280 x 960 @ 15 fps | 640 x 480 @ 30 fps |
| Image sensor | 1/4" CMOS | 1/4" CMOS | 1/4" CMOS | 1/4" CMOS | 1/4" CMOS | 1/4" CCD | 1/4" CMOS | 1/4" CMOS | 1/4" CMOS |
| Lens | 3.6 mm, F 2.0 | 4.2 mm, F 1.6 | 4 mm, F 2.0 | 4 mm, F 1.5 | 4.6 mm, F 2.0 | 3.8 - 38 mm, F 1.8 - 2.8 | 4 mm, F 1.5 | Removable CS mount 4 mm, F 1.4 | Removable CS mount 6 mm, F 1.8 |
| Viewing angle | 80° diagonal | 70° diagonal | 64° diagonal | 59.6° diagonal | 57.8° diagonal | 51.3° horizontal | 59.6° diagonal | 82.7° diagonal | 44° diagonal |
| Zoom | 3x digital | 3x digital | 3x digital | 4x digital | 4x digital | 10x optical 16x digital | 4x digital | 16x digital | 16x digital |
| Audio support | 2 way audio (audio input + audio out port) | 2 way audio (audio input + audio out port) | 2 way audio (audio input + audio out port) | 2 way audio (built in mic + audio out port) | 2 way audio (built in mic + audio out port) | 2 way audio (built in mic + audio out port | 2 way audio (built in mic + audio out port) | 2 way audio (built in mic + audio out port) | 2 way audio (built in mic + audio out port) |
| Vision | Night vision up to 12 m (39 ft.) | Night vision up to 15 m (50 ft.) | Day / low light mode | Night vision up to 7.5 m (25 ft.) | Night vision up to 7.5 m (25 ft.) | Day / low light mode | Night vision up to 7.5 m (25 ft.) | Day / low light mode | Day / low light mode |
| Pan & tilt | Fixed position: manually pan 350° and tilt 70° | Fixed position: manually pan 350° and tilt 70° | Fixed position: manually pan 350° and tilt 80° | Remote pan 340° and tilt 115° | Remote pan 330° and tilt 115° | Remote pan 330° and tilt 115° | - | - | - |
| Network | IPv4 | IPv4 / IPv6 | IPv4 | IPv4 | IPv4 / IPv6 | IPv4 | IPv4 | IPv4 | IPv4 |
| Power consumption | 10 Watts max. | 8 Watts max. | 8 Watts max. | 9 Watts max. | 10.5 Watts max. | 12 Watts max. | 5 Watts max. | 9 Watts max. | 9 Watts max. |
| MicroSD slot | ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | SD card | SD card |
| Onvif | ✓ (V1.0.1.16) | - | - | ✓ (V2.2) | - | ✓ | ✓ | - | - |
| Hardware | Mounting hardware included | | | | | | | | |
| Limited warranty | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year |

# WIRELESS IP CAMERAS

| | Outdoor | Indoor Wireless PTZ | | | | Indoor Wireless Fixed | | | |
|---|---|---|---|---|---|---|---|---|---|
| | TV-IP331WI | TV-IP672WI | TV-IP662WI | TV-IP651WI | TV-IP612WN | TV-IP572WI | TV-IP562WI | TV-IP551WI | TV-IP512WN |
| Special Feature | 1 Megapixel, IP68 rated | 1 Megapixel | 1 Megapixel | Privacy button | Auto focus, 10x optical zoom | 1 Megapixel | HD Camera | Wireless N | Removable lens |
| Free App | Apple/Android | | | | | | | | |
| Free Software | Manage up to 32 cameras | | | | | | | | |
| Compression | H.264, MPEG-4, MJPEG | H.264, MPEG-4, MJPEG | H.264, MPEG-4, MJPEG | MJPEG | H.264, MPEG-4, MJPEG | H.264, MPEG-4, MJPEG | H.264, MPEG-4, MJPEG | MJPEG | MPEG-4, MJPEG |
| Resolution / FPS | 1280 x 800 @ 30 fps | 1280 x 800 @ 30 fps | 1280 x 800 @ 30 fps | 640 x 480 @ 20 fps | 704 x 480 @ 30 fps | 1280 x 800 @ 30 fps | 1280 x 720 @ 30 fps | 640 x 480 @ 20 fps | 640 x 480 @ 30 fps |
| Image Sensor | 1/4" CMOS | 1/4" CMOS | 1/4" CMOS | 1/5" CMOS | 1/4" CCD | 1/4" CMOS | 1/4" CMOS | 1/5" CMOS | 1/4" CMOS |
| Lens | 4 mm, F 1.6 | 4 mm, F 1.5 | 4.6 mm, F 2.0 | 4 mm, F 1.5 | 3.8 mm, F 1.8-2.8 | 4 mm, F 1.5 | 3.4 mm, F 2.0 | 4 mm, F 1.5 | Removable CS mount 6 mm, F 1.8 |
| Viewing angle | 70° diagonal | 59.6° diagonal | 57.8° diagonal | 46.5° diagonal | 51.3° horizontal | 59.6° diagonal | 68° diagonal | 46.5° diagonal | 44° diagonal |
| Zoom | 4x digital | 4x digital | 4x digital | 4x digital | 10x optical 16x digital | 4x digital | 4x digital | 4x digital | 16x digital |
| Audio Support | 1 way audio (mic. In port) | 2 way audio (built in mic. + audio out port) | 2 way audio (built in mic. + audio out port) | 1 way audio (built in mic.) | 2 way audio (built in mic. + audio out port) | 2 way audio (built in mic. + audio out port) | 2 way audio (built in mic. + audio out port) | 1 way audio (built in mic.) | 2 way audio (built in mic. + audio out port) |
| Vision | Night vision up to 20 m (66 ft.) | Night vision up to 7.5 m (25 ft.) | Night vision up to 7.5 m (25 ft.) | Night vision up to 7.5 m (25 ft.) | Day / low light mode | Night vision up to 7.5 m (25 ft.) | Night vision up to 5 m (16 ft.) | Night vision up to 7.5 m (25 ft.) | Day / low light mode |
| Pan & Tilt | | Pan: 340°, Tilt: 115° | Pan: 330°, Tilt: 115° | Pan: 340°, Tilt: 115° | Pan: 330°, Tilt: 115° | - | - | - | - |
| Network | IPv4 / IPv6 | IPv4 | IPv4 / IPv6 | IPv4 | IPv4 | IPv4 | IPv4 | IPv4 | IPv4 |
| Wireless N | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Power Consumption | 8 Watts max. | 10.5 Watts max. | 10.5 Watts max. | 7.2 Watts max. | 12 Watts max. | 5 Watts max. | 5 Watts max. | 5 Watts max. | 9 Watts max. |
| MicroSD Slot | ✓ | ✓ | ✓ | - | ✓ | ✓ | ✓ | - | SD Slot |
| Onvif | ✓ | V (V2.2) | ✓ | - | - | ✓ | - | - | - |
| Hardware | Mounting base included | | | | | | | | |
| Limited warranty | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year |

# MANAGED • WEB SMART SWITCHES

| | Layer 2 | | Web Smart | | | | |
|---|---|---|---|---|---|---|---|
| | TL2-G244 | TL2-E284 | TEG-448WS | TEG-240WS | TEG-160WS | TEG-2248WS | TEG-424WS |
| Ports | 24 x Gigabit<br>4 x SFP, 1 x RS232 | 24 x 10/100 Mbps<br>4 x Gigabit, 2 x SFP,<br>1 x RS232 | 48 x Gigabit<br>4 x SFP | 24 x Gigabit<br>2 x SFP | 16 x Gigabit<br>2 x SFP | 48 x 10/100 Mbps<br>4 x Gigabit, 2 x SFP | 24 x 10/100 Mbps<br>4 x Gigabit, 2 x SFP |
| Switch capacity | 48 Gbps | 12.8 Gbps | 96 Gbps | 48 Gbps | 32 Gbps | 17.6 Gbps | 12.8 Gbps |
| RAM buffer | 500 KBytes | 250 KBytes | 1 MByte | 500 KBytes | 500 KBytes | 125 KBytes | 125 KBytes |
| Forwarding rate | 35.7 Mpps | 9.5 Mpps | 71.4 Mpps | 35.7 Mpps | 23.8 Mpps | 13 Mpps | 9.5 Mpps |
| MAC address table | 8K | 8K | 8K | 8K | 8K | 8K | 8K |
| Assymetric VLAN | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ACL | L2, L3, L4 | L2, L3, L4 | - | - | - | - | - |
| Port based VLAN | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 802.1X | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 802.1Q VLAN | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Dynamic GVRP | ✓ | ✓ | - | - | - | - | - |
| 802.3ad | ✓ | ✓ | - | - | - | - | - |
| RMON | ✓ | ✓ | - | - | - | - | - |
| 802.1p (Class of service) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Spanning tree protocol | STP, RSTP, MSTP | STP, RSTP, MSTP | STP | STP | STP | STP | STP |
| Multi cast (IGMP) | v1, v2 | v1, v2 | v1 | v1 | v1 | v1 | v1 |
| SNMP | v1, v2c, v3 | v1, v2c, v3 | v1 | v1 | v1 | v1 | v1 |
| Port based link aggregation | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Jumbo frame support | 10 Kbytes | 1 Kbytes | 9 Kbytes | 10 Kbytes | 10 Kbytes | - | - |
| Port mirroring | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Rackmount | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Limited warranty | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year |

# UNMANAGED SWITCHES

| | Gigabit Unmanaged Metal | | | | | | | | Gigabit Unmanaged Plastic | |
|---|---|---|---|---|---|---|---|---|---|---|
| | TEG-S24g | TEG-S24Dg | TEG-S16g | TEG-S16Dg | TEG-S82g | TEG-S80Dg | TEG-S80g | TEG-S50g | TEG-S81g | TEG-S5g |
| Ports | 24 x Gigabit | 24 x Gigabit | 16 x Gigabit | 16 x Gigabit | 8 x Gigabit | 8 x Gigabit | 8 x Gigabit | 5 x Gigabit | 8 x Gigabit | 5 x Gigabit |
| Switch capacity | 48 Gbps | 48 Gbps | 32 Gbps | 32 Gbps | 16 Gbps | 16 Gbps | 16 Gbps | 10 Gbps | 16 Gbps | 10 Gbps |
| RAM buffer | 437 KBytes | 437 KBytes | 250 KBytes | 250 KBytes | 250 KBytes | 125 KBytes | 125 KBytes | 100 KBytes | 250 KBytes | 125 KBytes |
| MAC address table | 8K | 8K | 8K | 8K | 8K | 4K | 8K | 8K | 8K | 8K |
| Jumbo frames | 9 Kbytes | 9 Kbytes | 9 Kbytes | 9 Kbytes | 9 Kbytes | 9 Kbytes | 9 Kbytes | 9 Kbytes | 9 Kbytes | 9 Kbytes |
| GREENnet | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Built in power supply | ✓ | ✓ | ✓ | ✓ | - | ✓ | - | - | - | - |
| Rackmount | ✓ | ✓ | ✓ | ✓ | - | - | - | - | - | - |
| Limited warranty | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year |

| | 10/100 Unmanaged Metal | | | | | | 10/100 Unmanaged Plastic | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | TEG-S224 | TE100-S24g | TE100-S16g | TE100-S16Eg | TE100-S80g | TE100-S50g | TE100-S24D | TE100-S16D | TE100-S8 | TE100-S5 |
| Ports | 24 x 10/100 Mbps 2 x Gigabit | 24 x 10/100 Mbps | 16 x 10/100 Mbps | 16 x 10/100 Mbps | 8 x 10/100 Mbps | 5 x 10/100 Mbps | 24 x 10/100 Mbps | 16 x 10/100 Mbps | 8 x 10/100 Mbps | 5 x 10/100 Mbps |
| Switch capacity | 8.8 Gbps | 4.8 Gbps | 3.2 Gbps | 3.2 Gbps | 1.6 Gbps | 1 Gbps | 4.8 Gbps | 3.2 Gbps | 1.6 Gbps | 1 Gbps |
| RAM buffer | 312 KBytes | 156 KBytes | 156 KBytes | 156 KBytes | 96 KBytes | 48 KBytes | 218 KBytes | 156 KBytes | 64 KBytes | 48 KBytes |
| MAC address table | 8K | 8K | 8K | 8K | 1K | 1K | 8K | 4K | 2K | 2K |
| GREENnet | - | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Built in power supply | ✓ | ✓ | ✓ | - | - | - | - | - | - | - |
| Rackmount | ✓ | ✓ | ✓ | - | - | - | - | - | - | - |
| Limited warranty | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year |

# GIGABIT FIBER CONVERTERS

| | Intelligent Gigabit Fiber Converters | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TFC-1000S70 | TFC-1000S60D5 | TFC-1000S60D3 | TFC-1000S50 | TFC-1000S40D5 | TFC-1000S40D3 | TFC-1000S20 | TFC-1000S10D5 | TFC-1000S10D3 | TFC-1000MSC | TFC-1000MGB | TFC-1000MGA |
| Fiber mode | Single | Single | Single | Single | Single | Single | Single | Single | Single | Multi | Single/Multi | Single/Multi |
| Fiber connector | Duplex SC | Simplex SC | Simplex SC | Duplex SC | Simplex SC | Simplex SC | Duplex SC | Simplex SC | Simplex SC | Duplex SC | SFP | SFP |
| Distance | 70 km (43.5 mi.) | 60 km (37.3 mi.) | 60 km (37.3 mi.) | 50 km (31 mi.) | 40 km (24.9 mi.) | 40 km (24.9 mi.) | 20 km (12.4 mi.) | 10 km (6.2 mi.) | 10 km (6.2 mi.) | 550 m (1800 ft.) | Based on SFP | Based on SFP |
| SNMP support | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Wavelength | 1550 nm | TX: 1550 nm RX: 1310 nm | TX: 1310 nm RX: 1550 nm | 1550 nm | TX: 1550 nm RX: 1310 nm | TX: 1310 nm RX: 1550 nm | 1310 nm | TX: 1550 nm RX: 1310 nm | TX: 1310 nm RX: 1550 nm | 1300 nm | Based on SFP | Based on SFP |
| Compatible with TFC-1600 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Stand alone converter | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| LLR DIP switch | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Duplex DIP switch | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Limited warranty | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year |

## Fiber Chassis

**TFC-1600**

| | |
|---|---|
| Features | TRENDnet´s 16-Bay Fiber Chassis System, model TFC-1600, provides housing for up to 16 TFC series media converters. Add a redundant power supplies (TFC-1600RP/R48) to ensure zero downtime and the TFC-1600MM for port based SNMP reporting. |
| Limited warranty | 3 year |

## SFP Modules

**SFP Modules**

| | |
|---|---|
| Features | TRENDnet offers an extensive selection of ANSI Fiber Channel Compliant modules for networking distances of up to 80 km (49.7 miles). Visit trendnet.com to review specific models. |
| Limited warranty | 3 year |

# 100 MBPS FIBER CONVERTERS

| | Intelligent 100 Mbps Fiber Converters | | | | | | |
|---|---|---|---|---|---|---|---|
| | TFC-110S60i | TFC-110S40D5i | TFC-110S40D3i | TFC-110S30i | TFC-110S20D5i | TFC-110S20D3i | TFC-110S15i |
| Fiber mode | Single | Single | Single | Single | Single | Single | Single |
| Fiber connector | Duplex SC | Simplex SC | Simplex SC | Duplex SC | Simplex SC | Simplex SC | Duplex SC |
| Distance | 60 km (37.3 mi.) | 40 km (24.9 mi.) | 40 km (24.9 mi.) | 30 km (18.6 mi.) | 20 km (12.4 mi.) | 20 km (12.4 mi.) | 15 km (9.3 mi.) |
| SNMP support | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Wavelength | 1310 nm | TX: 1550 nm, RX: 1310 nm | TX: 1310 nm, RX: 1550 nm | 1310 nm | TX: 1550 nm, RX: 1310 nm | TX: 1310 nm, RX: 1550 nm | 1310 nm |
| Compatible with TFC-1600 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Stand alone converter | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| LLR DIP switch | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| LLCF | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Duplex DIP switch | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Limited warranty | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year |

| | 100 Mbps Fiber Converters | | | | | | |
|---|---|---|---|---|---|---|---|
| | TFC-110S100 | TFC-110S60 | TFC-110S30 | TFC-110S15 | TFC-110MST | TFC-110MSC | TFC-110MM |
| Fiber mode | Single | Single | Single | Single | Multi | Multi | Multi |
| Fiber connector | Duplex SC | Duplex SC | Duplex SC | Duplex SC | Duplex ST | Duplex SC | Duplex MT-RJ |
| Distance | 100 km (62.1 mi.) | 60 Km (37.3 mi.) | 30 km (18.6 mi.) | 15 km (9.3 mi.) | 2 km (1.2 mi.) | 2 km (1.2 mi.) | 2 km (1.2 mi.) |
| Wavelength | 1550 nm | 1310 nm | 1310 nm | 1310 nm | 1300 nm | 1300 nm | 1300 nm |
| Compatible with TFC-1600 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Stand alone converter | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Duplex DIP switch | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Limited warranty | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year | 3 year |

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